UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandra, Virginia 22313-1450 www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

33072

7590

01/08/2004

KAGAN BINDER, PLLC SUITE 200, MAPLE ISLAND BUILDING 221 MAIN STREET NORTH STILLWATER, MN 55082 EXAMINER
TALBOT, BRJAN K

ART UNIT PAPER NUMBER

1762

DATE MAILED: 01/08/2004

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 09/903,114 | 07/11/2001 | Devendra Kumar | FSI0006/US/2 | 9548 |

TITLE OF INVENTION: THERMAL PROCESSING SYSTEM AND METHODS FOR FORMING LOW-K DIELECTRIC FILMS SUITABLE FOR INCORPORATION INTO MICROELECTRONIC DEVICES

| APPLN. TYPE | SMALL ENTITY | ISSUE FEE | PUBLICATION FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|--------------|-----------|-----------------|------------------|------------|
| nonprovisional | NO | \$1330 | \$300 | \$1630 | 04/08/2004 |

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.

☐ Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u>

(703) 746-4000

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fore will be used 1 through 4 should be completed where

| maintenance fee notificati | d below or directed otherwis | e in Block 1, by (| a) specifying | a new correspondence address | will be mailed to the currents; and/or (b) indicating a sep | nt correspondence address a parate "FEE ADDRESS" fo |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|----------------------------------------------------|--------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| CURRENT CORRESPONDE | NCE ADDRESS (Note: Legibly mark-t | p with any corrections of | or use Block 1) | Note: A certificate of | of mailing can only be used This certificate cannot be used | for domestic mailings of th |
| 33072 | 7590 01/08/2004 | | | | | |
| KAGAN BIND | | | | have its own certifica | ate of mailing or transmission. | · |
| | CK, FLLC PLE ISLAND BUILDIN | IC. | | C I hereby certify that | ertificate of Mailing or Tran | smission |
| 221 MAIN STRE | ET NORTH | 10 | | States Postal Service | this Fee(s) Transmittal is being the sufficient postage for final Stop ISSUE FEE address PTO on the data indicated by | ng deposited with the United irst class mail in an envelope |
| STILLWATER, 1 | MN 55082 | | | transmitted to the US | all Stop ISSUE FEE address PTO, on the date indicated be | s above, or being facsimile |
| | | | | | | (Depositor's name) |
| | | | | | | (Signature) |
| | | | | | | (Date) |
| APPLICATION NO. | FILING DATE | | FIRST NAMED | INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
| 09/903,114 | 07/11/2001 | | Devendra | Kumar | FSI0006/US/2 | 9548 |
| TITLE OF INVENTION: | THERMAL PROCESSING | SYSTEM AND M | ETHODS FO | R FORMING LOW-K DIE | LECTRIC FILMS SUITABL | 7,740 F. POD. BYGODDOD : |
| INTO MICROELECTRON | NIC DEVICES | | | TOTAL MINO LOW-R DIE | DECINIC FILMS SUITABL | E FOR INCORPORATION |
| | | | | | | |
| APPLN, TYPE | SMALL ENTITY | ISSUE F | EE | PUBLICATION FEE | TOTAL FEE(S) DUE | DATE DUE |
| nonprovisional | NO | \$1330 | | \$300 | \$1630 | 04/08/2004 |
| EXA | MINER | ART UN | | | ۵،۰۰۰۰ | 04/06/2004 |
| | , BRIAN K | 1762 | | CLASS-SUBCLASS | J | |
| | | | | 427-058000 | | |
| CFR 1.363). | ce address or indication of "Fe | e Address" (37 | 2. For print | ing on the patent front page, | list (1) the | · · · · · · · · · · · · · · · · · · · |
| Change of correspond | lence address (or Change of C | orracmandanas | agents OR. | up to 3 registered patent a alternatively, (2) the name | of a single | |
| Address form PTO/SB/I | (22) attached. | 1 | firm (havin | g as a member a registered | attorney or | |
| ☐ "Fee Address" indicat | ion (or "Fee Address" Indicat or more recent) attached. Use | ion form | agent) and | the names of up to 2 regist agents. If no name is lister | | |
| Number is required. | or more recent) attached. Use | of a Customer | will be print | ed. | 3 | |
| 3. ASSIGNEE NAME ANI | RESIDENCE DATA TO B | E PRINTED ON T | HE PATENT | (print or type) | | |
| PLEASE NOTE: Unless | an assignee is identified beli | ow, no assignee da | ita will appear | on the natent Inclusion of o | ssiones data is sul- | |
| (A) NAME OF ASSIGN | ed to the USPTO or is being s | ubmitted under sep | arate cover. Co | ompletion of this form is NO | ssignee data is only appropria a substitute for filing an assi | gnment. |
| (1) 1011112 01 7100101 | LL | (8) |) RESIDENCE | : (CITY and STATE OR CO | UNTRY) | |
| | | | | | | |
| Please check the annionriate | assignee category or categor | 5 | | • | | |
| 4a. The following fee(s) are | | | | | orporation or other private gro | oup entity |
| ☐ Issue Fee | onoroscu, | | Payment of Fe | | | |
| ☐ Publication Fee | | | | he amount of the fee(s) is enc credit card. Form PTO-2038 | | |
| ☐ Advance Order - # of | Copies | Ē | □ The Directo | r is hereby authorized by all | is attached. | 44. |
| | | | Deposit Accou | nt Number | arge the required fec(s), or c | credit any overpayment, to py of this form). |
| Director for Patents is reque | sted to apply the Issue Fee and | d Publication Fee (| if any) or to re | apply any previously paid is | sue fee to the application iden | tified above. |
| (Authorized Signature) | | (Date) | | | | |
| (| | (Date) | | | | |
| NOTE: The Issue Fee and | Publication Fee (if required | th will not be easy | antad from an | | | |
| other than the applicant; | a registered attorney or ager cords of the United States Pate | it; or the assignee | or other part | yone y in | | |
| This collection of informa | tion is required by 27 CED | and I rademark | Office. | <u>-</u> | | |
| obtain or retain a benefit l | tion is required by 37 CFR is by the public which is to file is governed by 35 U.S.C. 12 | (and by the USP | TO to process | d to an | | |
| estimated to take 12 minut | es to complete, including gat | 2 and 37 CFR 1.14 hering, preparing, | This collection and submitting | on is | | |
| case. Any comments on | n to the USPTO. Time will the amount of time you re | vary depending u | pon the indivi | dual | | |
| suggestions for reducing the | nis burden, should be sent to | the Chief Informa | ation Officer, | Ŭ.Š. | | |
| 22313-1450. DO NOT S | is governed by 35 U.S.C. 12 es to complete, including gat in to the USPTO. Time will the amount of time you renis burden, should be sent to office, U.S. Department of END FEES OR COMPLET for Patents, Alexandria, Virgin | ED FORMS TO | xandria, Virg THIS ADDRI | oma ISS. | | |
| Under the Paperwork Red | duction Act of 1995, no ne | на 44315-1450. rsons are required | to remand a | | | |
| collection of information ur | duction Act of 1995, no penless it displays a valid OMB | control number. | - to respond t | .v a | | |
| | | | | | | |



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | |
|------------------------------|----------------------------------|----------------------|-------------------------|-----------------------|
| 09/903,114 | 07/11/2001 | Devendra Kumar | FSI0006/US/2 | CONFIRMATION NO. 9548 |
| 33072 | 7590 01/08/2004 | | EXAM | |
| KAGAN BIND SUITE 200, MA | PER, PLLC PLE ISLAND BUILDING | TALBOT, BRIAN K | | |
| 221 MAIN STRI STILLWATER, | EET NORTH | ART UNIT | PAPER NUMBER | |
| STILL WATER, | WIN 33082 | | 1762 | |
| | | | DATE MAILED: 01/08/2004 | ! |

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.